

## EAST Search History

| Ref # | Hits  | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|-------|--|---|------------------|---------|---------------------|
| L2    | 2     | "20060130943"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPC; JPC;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2008/07/09<br>13:51 |
| L3    | 67    | (Peker near2 Atakan).in.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPC; JPC;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2008/07/09<br>13:53 |
| L4    | 76    | Liquidmetal.as.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPC; JPC;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2008/07/09<br>13:54 |
| L5    | 112   | (L3 or L4) not L2  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPC; JPC;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2008/07/09<br>13:55 |
| L6    | 27318 | (metal\$4 near5 (bulk or amorphous or glass or noncrystalline or non-crystalline) or (amorphous adj2 alloy)) same (reinforc\$7 or composite) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPC; JPC;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2008/07/09<br>14:01 |
| L7    | 7221  | L6 and (crystall\$7 or glass adj2 transition)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPC; JPC;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2008/07/09<br>14:02 |

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| L9  | 20165 | (metal\$4 near3 (amorphous or glass) or (amorphous adj2 alloy)) same (reinforc\$7 or composite) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/07/09<br>14:04 |
| L10 | 5646  | L9 and (crystal\$7 or glass adj2 transition)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/07/09<br>14:08 |
| L11 | 5035  | L10 and (forming or extru\$7 or forg\$4 or cast\$4)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/07/09<br>14:14 |
| L12 | 1658  | L11 and (zirconium or zr)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/07/09<br>14:15 |
| L13 | 17    | "6010580"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/07/09<br>14:23 |
| L14 | 1668  | L12 or L13  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/07/09<br>14:23 |
| L15 | 1643  | L14 not L5  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/07/09<br>14:23 |

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| L16 | 194 | L15 and ("148".clas. or "420".clas. or "164".clas. or "75".clas.)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/07/09<br>14:38 |
| L17 | 190 | 148/403.ccls. and composite   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO                               | ADJ | ON | 2008/07/09<br>14:45 |
| L18 | 57  | 148/561.ccls. and composite and (amorphous or glass)  | US-PGPUB;<br>USPAT; USOCR   | ADJ | ON | 2008/07/09<br>14:45 |
| L19 | 396 | 428/378,367,375,379,389,457,469,472,698,701,702,704.ccls. and metal\$4<br>near (amorphous or non\$1crystalline or glass\$1) and composite | US-PGPUB;<br>USPAT; USOCR   | ADJ | ON | 2008/07/09<br>14:45 |
| L20 | 39  | (bulk metallic glass or (amorphous near metal)) near composite and (densif\$8<br>or consolid\$7 or pressure)                              | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT                   | ADJ | ON | 2008/07/09<br>14:45 |
| L21 | 46  | packing density and metal matrix composite and densification  | US-PGPUB;<br>USPAT  | ADJ | ON | 2008/07/09<br>14:45 |
| L22 | 113 | 148/421.ccls. and composite   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO                               | ADJ | ON | 2008/07/09<br>14:45 |
| L23 | 39  | (bulk metallic glass or (amorphous near metal)) near composite and (densif\$8<br>or consolid\$7 or pressure)                              | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT                   | ADJ | ON | 2008/07/09<br>14:45 |
| L24 | 396 | 428/378,367,375,379,389,457,469,472,698,701,702,704.ccls. and metal\$4<br>near (amorphous or non\$1crystalline or glass\$1) and composite | US-PGPUB;<br>USPAT; USOCR   | ADJ | ON | 2008/07/09<br>14:46 |
| L25 | 18  | c22c45/02.ipc.  | US-PGPUB;<br>USPAT; USOCR   | ADJ | ON | 2008/07/09<br>14:46 |
| L26 | 11  | c22c45/10.ipc.  | US-PGPUB;<br>USPAT; USOCR   | ADJ | ON | 2008/07/09<br>14:46 |
| L27 | 84  | Dandliker and composite   | US-PGPUB;<br>USPAT; USOCR   | ADJ | ON | 2008/07/09<br>14:46 |
| S1  | 1   | "20060130943"   | DERWENT   | ADJ | ON | 2007/10/01<br>08:09 |

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|-----|-----|---|---|-----|----|---------------------|
| S2  | 4   | (2106145 2124538 3322546 3539192).pn.   | USPAT                                     | ADJ | ON | 2007/09/27<br>15:18 |
| S3  | 24  | (2106145 2124538 3322546 3539192 3776297 3948613 3970445 3986867 3986892 4024902 4067732 4124472 4125737 4163071 4260416 4268567 4330027 4374900 4381943 4396820 4409296 4482612 4487630 4488882).pn. | USPAT                                     | ADJ | ON | 2007/09/27<br>15:35 |
| S4  | 4   | (5288344 5368659 5618359 5735975).pn.   | USPAT                                     | ADJ | ON | 2007/09/28<br>09:00 |
| S5  | 1   | ("6325868").pn.   | USPAT                                     | ADJ | ON | 2007/09/28<br>09:11 |
| S6  | 23  | (4499158 4515870 4523625 4526618 4557981 4564396 4585617 4612059 4656099 4668310 4725512 4731253 4741974 4770701 4810850 4960643 5127969 5189252 5294462 5380659 5380349 5440995 5567251).pn.         | USPAT                                     | ADJ | ON | 2007/09/28<br>09:33 |
| S7  | 6   | (5482577 5567532 6010580 6183889 6218029 6326295).pn.   | USPAT                                     | ADJ | ON | 2007/09/28<br>09:30 |
| S8  | 3   | 2002/0036034  | US-PGPUB;<br>USPAT                        | ADJ | ON | 2007/09/28<br>09:30 |
| S10 | 1   | "20020036034"   | US-PGPUB                                  | ADJ | ON | 2007/09/28<br>09:30 |
| S11 | 1   | "5288344".pn.   | USPAT                                     | ADJ | ON | 2007/09/28<br>09:33 |
| S12 | 1   | "5735975".pn.   | USPAT                                     | ADJ | ON | 2007/09/28<br>09:34 |
| S13 | 107 | peker.in.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO | ADJ | ON | 2007/09/28<br>09:47 |
| S14 | 185 | 148/403.ccls. and composite   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO | ADJ | ON | 2007/09/28<br>10:28 |
| S15 | 107 | 148/421.ccls. and composite   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO | ADJ | ON | 2007/09/28<br>15:35 |
| S16 | 22  | 148/421.ccls. and composite and (amorphous or glass)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO | ADJ | ON | 2007/09/28<br>14:54 |

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| S17 | 6     | 148/538.ccls. and composite and (amorphous or glass)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO | ADJ | ON | 2007/09/28<br>10:32 |
| S18 | 53    | 148/561.ccls. and composite and (amorphous or glass)  | US-PGPUB;<br>USPAT; USOCR                 | ADJ | ON | 2007/09/28<br>10:33 |
| S20 | 5388  | 428/457.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO           | ADJ | ON | 2007/09/28<br>12:10 |
| S21 | 21349 | 428/378,367,375,379,389,457,469,472,698,701,702,704.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO           | ADJ | ON | 2007/09/28<br>12:11 |
| S22 | 955   | 428/378,367,375,379,389,457,469,472,698,701,702,704.ccls. and metal\$4<br>near (amorphous or non\$1crystalline or glass\$1)               | US-PGPUB;<br>USPAT; USOCR                 | ADJ | ON | 2007/09/28<br>12:12 |
| S23 | 375   | 428/378,367,375,379,389,457,469,472,698,701,702,704.ccls. and metal\$4<br>near (amorphous or non\$1crystalline or glass\$1) and composite | US-PGPUB;<br>USPAT; USOCR                 | ADJ | ON | 2007/09/28<br>12:12 |
| S24 | 244   | S23 and (particles or reinforcement)  | US-PGPUB;<br>USPAT; USOCR                 | ADJ | ON | 2007/09/28<br>12:13 |
| S25 | 127   | S24 and (Zr or zirconium)   | US-PGPUB;<br>USPAT; USOCR                 | ADJ | ON | 2007/09/28<br>12:14 |
| S26 | 85    | S24 and (Zr or zirconium) and melt\$5   | US-PGPUB;<br>USPAT; USOCR                 | ADJ | ON | 2007/09/28<br>12:14 |
| S27 | 13    | c22c45/02.ipc.  | US-PGPUB;<br>USPAT; USOCR                 | ADJ | ON | 2007/09/28<br>12:15 |
| S28 | 7     | c22c45/10.ipc.  | US-PGPUB;<br>USPAT; USOCR                 | ADJ | ON | 2007/09/28<br>12:16 |
| S29 | 19    | 148/421.ccls. and composite and (amorphous or glass) and pressure   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO | ADJ | ON | 2007/09/28<br>14:54 |
| S30 | 177   | bulk metallic glass or (amorphous near metal) near composite and (densif\$8 or<br>consolid\$7 or pressure)                                | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO | ADJ | ON | 2007/09/28<br>15:36 |
| S31 | 36    | (bulk metallic glass or (amorphous near metal)) near composite and (densif\$8<br>or consolid\$7 or pressure)                              | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO | ADJ | ON | 2007/09/28<br>15:36 |

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| S32 | 38  | (bulk metallic glass or (amorphous near metal)) near composite and (densif\$8 or consolid\$7 or pressure) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT         | ADJ | ON | 2007/09/28<br>15:48 |
| S33 | 2   | "5318641".pn.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT         | ADJ | ON | 2007/09/28<br>15:48 |
| S34 | 5   | bulk metallic glass near composite and pressure   | US-PGPUB;<br>USPAT; FPPS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/09/28<br>15:53 |
| S35 | 2   | bulk metallic glass near composite and consolid\$6  | US-PGPUB;<br>USPAT; FPPS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/09/28<br>15:54 |
| S37 | 1   | "5896642".pn.   | DERWENT   | ADJ | ON | 2007/09/28<br>16:02 |
| S38 | 227 | densification near composite  | US-PGPUB;<br>USPAT; USOCR                                     | ADJ | ON | 2007/10/01<br>08:09 |
| S39 | 6   | densification near composite and hydrostatic  | US-PGPUB;<br>USPAT; USOCR                                     | ADJ | ON | 2007/10/01<br>08:10 |
| S40 | 215 | densification near composite and pressure   | US-PGPUB;<br>USPAT; USOCR                                     | ADJ | ON | 2007/10/01<br>08:10 |
| S41 | 52  | densification near composite and reason   | US-PGPUB;<br>USPAT; USOCR                                     | ADJ | ON | 2007/10/01<br>08:11 |
| S42 | 1   | melt densification and composite  | US-PGPUB;<br>USPAT; USOCR                                     | ADJ | ON | 2007/10/01<br>08:13 |
| S43 | 796 | liquid phase sintering and composite  | US-PGPUB;<br>USPAT; USOCR                                     | ADJ | ON | 2007/10/01<br>08:13 |
| S44 | 22  | liquid phase sintering near composite   | US-PGPUB;<br>USPAT; USOCR                                     | ADJ | ON | 2007/10/01<br>08:35 |
| S45 | 2   | "3547180".pn.   | US-PGPUB;<br>USPAT; USOCR                                     | ADJ | ON | 2007/10/01<br>08:35 |

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| S46 | 325    | casting near vacuum and porosity                            | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/10/01<br>11:08 |
| S47 | 196    | casting near vacuum and porosity and composite              | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/10/01<br>11:08 |
| S48 | 88     | casting near vacuum and porosity and metal matrix composite | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/10/01<br>11:23 |
| S49 | 1      | hot isostatic near liquid and composite                     | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/10/01<br>11:24 |
| S50 | 3      | isostatic near liquid and composite                         | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/10/01<br>11:33 |
| S51 | 1      | "4952353".pn.   | USPAT   | ADJ | ON | 2007/10/01<br>12:04 |
| S52 | 444    | densification and packing density                           | USPAT   | ADJ | ON | 2007/10/01<br>12:04 |
| S53 | 1      | densification near packing density                          | USPAT   | ADJ | ON | 2007/10/01<br>12:04 |
| S54 | 340041 | packing   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/10/01<br>12:59 |
| S55 | 5059   | packing density and composite                               | US-PGPUB;<br>USPAT  | ADJ | ON | 2007/10/01<br>13:08 |
| S56 | 442    | packing density and composite and densification             | US-PGPUB;<br>USPAT  | ADJ | ON | 2007/10/01<br>13:08 |

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| S57 | 43  | packing density and metal matrix composite and densification  | US-PGPUB;<br>USPAT  | ADJ | ON | 2007/10/01<br>13:10 |
| S58 | 1   | packing density and metal matrix composite and metallic glass | US-PGPUB;<br>USPAT  | ADJ | ON | 2007/10/01<br>13:11 |
| S59 | 113 | packing density and metal matrix composite                    | US-PGPUB;<br>USPAT  | ADJ | ON | 2007/10/01<br>13:40 |
| S60 | 1   | "20020198109"   | US-PGPUB;<br>USPAT  | ADJ | ON | 2007/10/01<br>13:40 |
| S61 | 1   | "20020198109" and packing                                     | US-PGPUB;<br>USPAT  | ADJ | ON | 2007/10/01<br>13:54 |
| S62 | 2   | "4526321".pn.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | ADJ | ON | 2007/10/01<br>14:12 |
| S63 | 2   | "4523621".pn.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | ADJ | ON | 2007/10/01<br>14:12 |
| S64 | 2   | "20070029015"   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | ADJ | ON | 2007/10/02<br>08:29 |
| S65 | 2   | "20060130943"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/03/14<br>15:26 |
| S66 | 210 | peker.in.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/03/14<br>15:26 |

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| S67 | 111 | 148/421.ccls. and composite   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO                     | ADJ | ON | 2008/03/14<br>15:26 |
| S68 | 56  | 148/561.ccls. and composite and (amorphous or glass)  | US-PGPUB;<br>USPAT; USOCR                                     | ADJ | ON | 2008/03/14<br>15:26 |
| S69 | 6   | 148/538.ccls. and composite and (amorphous or glass)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO                     | ADJ | ON | 2008/03/14<br>15:27 |
| S70 | 23  | 148/421.ccls. and composite and (amorphous or glass)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO                     | ADJ | ON | 2008/03/14<br>15:27 |
| S71 | 386 | 428/378,367,375,379,389,457,469,472,698,701,702,704.ccls. and metal\$4<br>near (amorphous or non\$1crystalline or glass\$1) and composite | US-PGPUB;<br>USPAT; USOCR                                     | ADJ | ON | 2008/03/14<br>15:27 |
| S72 | 254 | S71 and (particles or reinforcement)  | US-PGPUB;<br>USPAT; USOCR                                     | ADJ | ON | 2008/03/14<br>15:27 |
| S73 | 133 | S72 and (Zr or zirconium)   | US-PGPUB;<br>USPAT; USOCR                                     | ADJ | ON | 2008/03/14<br>15:27 |
| S74 | 15  | c22c45/02.ipc.  | US-PGPUB;<br>USPAT; USOCR                                     | ADJ | ON | 2008/03/14<br>15:27 |
| S75 | 9   | c22c45/10.ipc.  | US-PGPUB;<br>USPAT; USOCR                                     | ADJ | ON | 2008/03/14<br>15:27 |
| S76 | 38  | (bulk metallic glass or (amorphous near metal)) near composite and (densif\$8<br>or consolid\$7 or pressure)                              | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT         | ADJ | ON | 2008/03/14<br>15:27 |
| S77 | 219 | densification near composite and pressure   | US-PGPUB;<br>USPAT; USOCR                                     | ADJ | ON | 2008/03/14<br>15:27 |
| S78 | 54  | densification near composite and reason   | US-PGPUB;<br>USPAT; USOCR                                     | ADJ | ON | 2008/03/14<br>15:27 |
| S79 | 3   | isostatic near liquid and composite   | US-PGPUB;<br>USPAT; FPPS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/03/14<br>15:27 |

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| S80 | 43   | packing density and metal matrix composite and densification   | US-PGPUB;<br>USPAT   | ADJ | ON | 2008/03/14<br>15:27 |
| S81 | 88   | casting near vacuum and porosity and metal matrix composite  | US-PGPUB;<br>USPAT; FPRS;<br>EPC; JPC;<br>DERWENT;<br>BM_TDB           | ADJ | ON | 2008/03/14<br>15:27 |
| S82 | 114  | packing density and metal matrix composite   | US-PGPUB;<br>USPAT   | ADJ | ON | 2008/03/14<br>15:28 |
| S83 | 1212 | S65 or S66 or S67 or S68 or S69 or S70 or S71 or S72 or S73 or S74 or S75 or S76 or S77 or S78 or S79 or S80 or S81 or S82 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPC; JPC;<br>DERWENT;<br>BM_TDB | ADJ | ON | 2008/03/14<br>15:29 |
| S84 | 99   | S83 and ("2007" or "2008").py.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPC; JPC;<br>DERWENT;<br>BM_TDB | ADJ | ON | 2008/03/14<br>15:29 |

7/9/2008 3:35:11 PM

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